



Fbetter International(HK) Co.,LTD

Line Card



▶ Company Profile

- Established in 2006
- Employees 100+ (FAE 23; Sales 32; PM 15)
- HQ in Shenzhen, Branch office in Shanghai&HK
- Professional Elec. Component Distributor
- Independent Design House in wireless(Wifi & BT)
- ISO:9001 2016, Certificated
- National High-tech Enterprises

▶ Components Recommended

- Fuse
- Self Control Protector
- PPTC
- TVS-Diodes
- Resistor
- Others

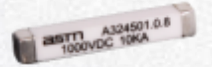
▶ Fuse

- Brand: ASTM
- Certificated by UL/CSA, TUV, VDE, PSE, CCC, etc.
- Application
 - Industrial Power Supply
 - Telecom Power
 - PV System
 - ESS
 - EV/HEV Vehicle
- Competitiveness: Littelfuse, Bussmann, SIBA, Schurter, PEC, etc.
- Advantages
 - Cost saving: 30% average.
 - Leadtime (4-6wks)

Fuse Features



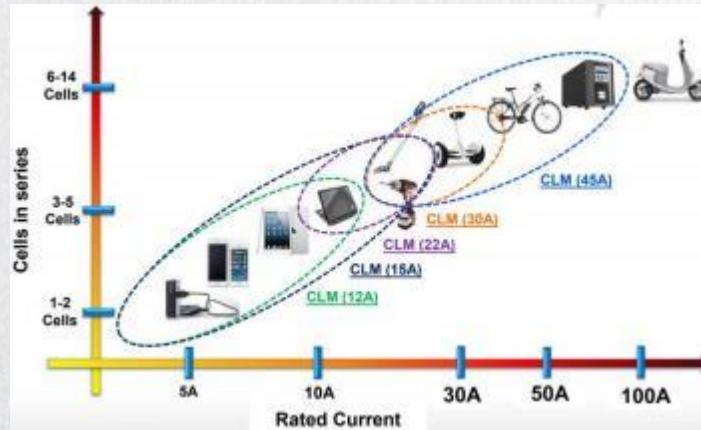
	ASTM P/ N	Electrical Char.		Competitor			
		Voltage	Current	Bussmann	Littelfuse	SIBA	Schurter
PV Fuse	HV110.PV	1000Vdc	1~30A	PVxxA10F	SPF	50 215 28	ASO
	A1 0gPV	1000Vdc	10~20A	-	SPF	-	-
	AC1 0 LgPV	1500Vdc	2.5/3.5/4A	PV-xxA14LF10F	SPXI	-	-
	AC1 0 XLgPV	1500Vdc	2~15A	PV-xxA14LF10F	SPXI	-	-
	ASTM P/ N	Electrical Char.		Competitor			
		Voltage	Current	Bussmann	Littelfuse	SIBA	Schurter
Cartridge Fuse	HV520	500V ac/400Vdc	0.5~20A	S505H	477	-	-
	62 720	85V dc	5~63A	TCP70	688	-	TGU
	MV630	250V ac/150V dc	20~50A	-	314	-	SUT- H
	HV660	500V ac/dc	10~30A	FWH- XXA6 F	505	70 125 40	A12FA 500V
	HV681	500V ac/dc	10~30A	GBH- XXA6 F	231	189020	SHF
	HV610	600V ac/dc	0.2~12A	-	-	7009463	A12FA 660V
	HV620	1000V ac/dc	0.2~3. 15A	-	508	7017240	-
	HV110	1000V ac/dc	0.44~15A	DMM- B	FLU	50 1999 06	-
	ASTM P/ N	Electrical Char.		Competitor			
		Voltage	Current	Bussmann	Littelfuse	Mersen	PEC
EV/ HEV Fuse	HV150/EV105C	500V dc	5A~50A	EV10	0 HEV	-	EVFG
	EV145 A2205 A372103 A372805	500V dc	50A~500A	EV20 EV30 EV40 EV50	688	MEV5 0 A	EVFC EVFP
	EV108 EV148 A2201 A372101	800V dc	5A~400A	-	-	MEV70 (700V dc)	-
	EV1010 EV1410 A2210 A4305	1000V dc	10A~500A	-	-	MEV100	-



► Self Control Protector

- Brand: PTTC
- Certificated by UL/CSA, TUV, etc.

- Application



- Competitiveness: Dexerials, NEC Schott, RN2, etc.
- Advantages
 - Cost saving: 20% average.
 - Leadtime (8- 10wks)

▶ Self Control Protector Features

Physical Dimensions (mm)	I _{rated} (A)	Cells in series	V _{max} (Vdc)	I _{break} (A)	V _{op} (V)	Resistance	
						R _{heater} (Ω)	R _{fuse} (mΩ)
4.0*3.0*0.9	12	1~4	36	50	3.0 ~ 19.6	0.6 ~ 20.0	1.5 ~ 3.5
4.0*3.0*0.9	15	1~5	36	50	3.0~ 23.5	11.2 ~ 29.1	1.0 ~ 3.0
5.4*3.2*1.8/9.5*5.0*2.0	30	3~14	62~80	80	9.9 ~ 62.0	4.5 ~ 120.6	0.5 ~ 2.5
9.5*5.0*2.0	45	3~14	62	120	9.8 ~ 62.0	1.9~ 68.0	0.4 ~ 2.0
9.5*5.0*2.0	60	3~14	80	160	9.6 ~ 62.0	1.83 ~ 57.7	≦ 2.0



▶ PPTC

- Brand: PPTC
- Certificated by UL, TUV, etc.
- Application

Computer	Portable electronics
Multimedia	Game console
Mobile phone	Industrial controls
Battery	Telephony and broadband

- Competitiveness: Bourns, Littelfuse, Tyco, etc.
- Advantages
 - Cost saving: 20% average.
 - Leadtime (6-8wks)

▶ TVS-Diodes

- Brand: Metech
- Compliance: IEC61000-4-2 , IEC61000-4-5;
- Application
 - Surge protection : Anti-thunderstrike, Peak pulse power;
 - ESD protection: RS485, 232, Can/Lin Bus, I2C, HDMI, Type-C etc.
- Competitiveness: Littelfuse, Bourns, Semtech, Nexperia, Amazing etc.
- Advantages
 - Cost saving: 30% average.
 - Leadtime (4-6wks)

TVS Features

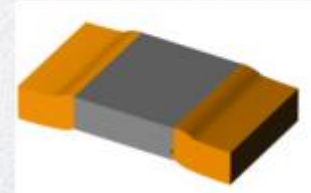
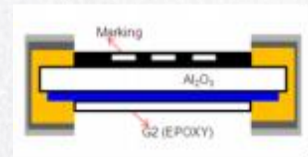
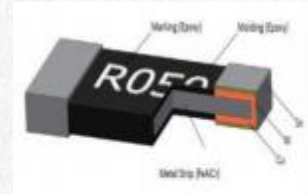


Metech P/N	Electrical Char.		Competitor			
	VRWM(V)	Pppm(10/1000us)	Littelfuse	Amazing	Semtech	Bourns
3KP	5~188	3000W		3KP	3KP	-
5KP	5~250	5000W	5KP	5KP	5KP	-
6.6KP	15~43	6600W	-	-	-	-
15KP	17~280	15000W	15KPA	15KPA	-	-
20KP	26~300	20000W	20KPA	20KPA	-	-
30KP	28~288	30000W	30KPA	30KPA	-	-
SM8S	Uni-Directional 10~43	6000W	-	-	-	SM8S
SM8S	Bi-Directional 10~43	6000W	-	-	-	SM8S
SM6S	10~36	4600W	-	-	-	-
SM8T	Uni-Directional 20~43	8000W	-	-	-	-
SM8T	Bi-Directional 133~36	8000W	-	-	-	-
P5T	15~43	4600W	-	-	-	-
6.6SMDJ	10~43	6600W	-	-	-	-
5.0SMDJ	11~170	5000W	5.0SMDJ	5.0SMDJ	-	5.0SMDJ



▶ Resistor

- Brand: TA-I
- Compliance: AEC-Q200;
- Application
 - PV/New Energy/Energy Storage/Inverter
 - Automotive
 - Server/Base station
- Competitiveness: KOA.
- Advantages
 - Cost saving: 20% average.
 - Leadtime (6-8wks)
- Focus
 - Anti-Sulfurated Resistors, Automotive Grade, Current Sense Resistors



Others



Category	Brand	Feature	Competitor	Application
MCU	Nation	ARM M0 , M4	ST, NXP, Microchip	BMS: Energy Storage Motor Control Industrial Control
DCDC	Silicon	High Voltage Buck Converter Gate Driver Ideal Diodes	TI, MPS	PV Inverter Energy Storage Inverter Server Base Station
IGBT	APEC Vergiga	IGBT 400- 1300V NPT& Field stop	Infineon, On- semi, AOS, IR	Automotive Electronics New Energy UPS/ Invertor
Mosfet	Vergiga Metech	LV- MOSFET Lv:12-45V; Trench& Double Gate	Infineon, On- semi, AOS, IR	Switching Automotive New Energy Industrial Control Consumer Electronics
		MV- MOSFET MV:50-250V Trench& Double Gate		
		HV- MOSFET HV:400-900V Planar& Super Junction		

Thank You!

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